

## ABSTRACT

The present invention relates to a method for making three or four-layer golf ball, characterized in which after the materials for the rubber composition of the golf ball core are blended in set proportions and vulcanized, said vulcanized blend is placed in a compression mould under 180°C temperature for about 120 seconds to form an integral core having a concentric construction of two or three layers with increasing hardness from inside out. Furthermore, the rigid surface of the core is subjected to centerless grinding and then coated with a cover layer of thermoplastic resin by injection molding to form a complete golf ball. Such method is simple, convenient, time-saving, efficient and economical. The golf ball core produced thereof possesses a rigid surface that is not prone to deformation and is integrated uniformly and securely with the cover layer, resulting in higher yield. Moreover with the softer inner layer of the core and the uniform dispersion of layer structures, the ball gives the golfers better feel, greater precision control and stability where the ball is not prone to deflection when hit.